Summary Table of 2013 Basewide Annual Monitoring

Operable Unit	Site(s)	Summary	Notes
OU 1	CG070	TCE groundwater plume	Groundwater samples collected during April and October 2013. Stable/decreasing TCE concentration trends. FFS completed, ROD Amendment pending.
OU 3	FT019a, FT019c	SVE system offline during 2013, groundwater samples collected in October 2013	SVE systems not operational during 2013 pending regulatory review and approval of SSI Work Plan for FT019. Following approval, optimization measures will be implemented at both sites. Stable/decreasing TCE concentrations trends downgradient of source area.
	ZZ051	SVE	Benzene below 1 ug/L since 2002, and not detected during June 2013 sampling event. Removal and monitoring continues with next samples collected in April 2014. Implement optimization measures following regulatory approval of SSI Work Plan for ZZ051.
	OT069	TCE, cis-1,2-DCE, 1,1-DCA plume: portions increasing and decreasing	Overall, COC concentrations in groundwater decreasing but TCE and cis-1,2-DCE above MCL in several locations. SVE system currently offline but appears to have limited mass transfer from vadose zone to groundwater. Low DO and ORP levels indicate groundwater in plumes under mildly reducing, anaerobic conditions.
	DP003	Burial site; soil cover installed 1996/1997. Annual cover inspections, groundwater sampling every five years.	Last monitored in 2009 next event 2014. These wells are part of the OU1 Focused Monitoring Program and also monitored for VOCs. Downgradient MW: NZ-84, NZ-106. Mound under VVWRA reversed groundwater flow in the lower aquifer to south-southeast.
	DP004	Burial site; soil cover installed 1996/1997. Annual cover inspections, groundwater sampling every five years.	DP004 erosion channels to be addressed in 2013. Last monitored in 2009 next event 2014. These wells are part of the OU1 Focused Monitoring Program and also monitored for VOCs. Downgradient MW: NZ-84 and NZ-85. Mound under VVWRA reversed groundwater flow in the lower aquifer to south-southeast.
	LF044	Landfill; surface debris removed, institutional controls added. Annual groundwater sampling.	TCE in groundwater related to OU1. Nitrate and TDS data exceed criteria; data to be collected annually to assess the landfill or other unit(s) as potential sources.
	LF012	Disposal areas; soil cover rehabilitation completed in 1997. Annual groundwater sampling.	Erosion repairs for issues noted scheduled for 2013. Annual sampling results will be used to assess potential for leakage from LF012. Addition of 2 rounds of parameters. GW monitoring wells (lower aquifer wells) Downgradient MW NZ-61, NZ-62, and NZ108. Crossgradient MW NZ-60. Last monitored in 2009 for chloride, nitrate, sulfate, TDS and VOCs. Historically below MCLs. Amendment 03 proposed sample for VOCs only. Request denied by RWQCB. Continue to monitor annually. AF evaluating relationships between analytes to determine if variation is controlled by natural or anthropomorphic processes.
	LF014	Disposal areas; soil cover rehabilitation completed in 1997. Annual groundwater sampling.	Erosion repairs for issues noted scheduled for 2013. Annual sampling results will be used to assess potential for leakage from LF014.

Operable Unit	Site(s)	Summary	Notes
	SEDA	Disposal areas; soil cover rehabilitation completed in 1997. Annual groundwater sampling.	Erosion repairs for issues noted scheduled for 2013. SEDA GW monitoring wells SZ-15, SZ-16 and SZ-17. Last monitored in 2009 for chloride, nitrate, sulfate, TDS and VOCs. Historically below MCLs. Amendment 03 proposed sample for VOCs only.
OU 5	FT082	SVE system offline during 2013, groundwater samples collected in October 2013	Overall decrease in TCE concentrations. Further trends discussed in FT082 SSI Work Plan. Additional remedial activities will be implemented following approval.
	SS083	SVE system offline during 2013, groundwater samples collected in October 2013	Concentration trends discussed in SS083 SSI Work Plan.
Non-CERCLA	ST054	SVE system offline during 2013, groundwater samples collected in October 2013	Declining trends of benzene concentrations in groundwater downgradient of ST054. Plan permanent shutdown of existing SVE system in 2014 pending regulatory approval.
	ST057	SVE system offline during 2013, groundwater samples collected in October 2013	Based on apparent rebound of vapor concentrations in some wells, resuming operation of SVE system operation will be evaluated.
	ST067b	JP-4 and TPH-g recovery, SVE	Number of wells with measureable LNAPL decreased from 13 in 2012 to 10 in October 2013. The 2013 Draft PSCAP for Site ST067b recommends installation of six new Upper Aquifer wells to delineate the downgradient extent of the dissolved-phase plume. For 2014, continue free-product recovery using six monitoring wells, continue SVE, and implements PSCAP recommendations.
	OT071	Dieldrin in Upper/Lower Aquifers, monitoring	Within historical ranges/no discernible trends, suggesting plume is stable or decreasing. Upper Aquifer has had decreasing concentrations of dieldrin since 2010. Dieldrin detected in the two newest Lower Aquifer wells. Continued groundwater monitoring planned for 2014.
	SS084	SVE system offline during 2013, groundwater samples collected in October 2013	Based on apparent rebound of vapor concentrations in some wells, resuming operation of SVE system evaluated in 2013 PSCAP. Benzene plume is stable while MTBE plume is stable and decreasing in downgradient groundwater.
	SS030	Free product recovery	Free product measures in 21 and 23 wells in April 2013 and October 2013, respectively, with maximum thickness of 2.73 feet. Benzene detected exceeding MCL in 2013, appears to be stable with limited mobility.

1,1-DCA=1,2-dichloroethane
BTEX= benzene, toluene, ethylbenzene, and xylene
CERCLA= Comprehensive Environmental Response, Compensation, and Liability Act
cis-1,2-DCE=cis-1,2-dichloroethene
COCs=constituents of concern
FFS=focused feasibility study
JP-4=jet propulsion-4
LNAPL=light non-aqueous phase liquid
MCL=maximum contaminant level
MTBE= methyl tertiary butyl ether
ROD=record of decision
SEDA=southeaster disposal area
SVE=soil vapor extraction
TDS=total dissolved solids
TCE=trichloroethene
TPH-g=total petroleum hydrocarbons - gasoline
ug/L=micrograms per Liter.